

7075.750x 4,

Work Order ID 159558

Wednesday, April 12, 2017 3:51:05 PM

Page 1

Item ID: 647.7813

Revision ID:

Item Name: Center Plate, Lower

Start Date: 4/16/2017 Start Qty: 6.00

Required Date: 5/5/2017 Req'd Qty: 6.00

Reference: SCHEDULED/S

Accept

N900040100

Setup Start

NS1

Stop

NS2

Cust Item ID:

Customer:

Approvals:

Process Plan:

Date: APR 13 2017

Tooling:

Date:

Run Start

NR1

Stop

NR2

QC:

Date:

SPC (Y/N):

Date:

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

Draw Nbr

Revision Nbr

647.7800

A

100

0.00

100

BAND SAW

Bandsaw

Memo

0.00

Jeaspa Bandsaw

Cut Blank at 3.375"

110

0.56

110

HAAS CNC VERTICAL MACHINING #1

HAAS 1

Memo

2.52

HAAS CNC vertical machine #1

1-Machine per folio FB236

DWG REV: A

FOLIO REV: AA.

2- deburr and break all sharp edges

647.7813
B159558
REV A

159558

DAS
21
9-88

6 0 17-04-22

6 0 17-04-22
KT 17-04-22

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																																																										
Description Work Order Deviation				Disposition				Completed By																																																									
								Lead hand / Supervisor Approval Verification																																																									
								QC / QA Coordinator Approval																																																									
Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____			
Misidentified ☐	Past Due ☐																																																																

Wednesday, April 12, 2017 3:51:05 PM

Page 2

DAS
13
9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
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Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER :			
Misidentified ☐	Past Due ☐																																																																

Wednesday, April 12, 2017 3:51:05 PM

159558

Page 3

Packaging

IDENTIFY AS PER APICAL MPP-120 BY STAMPING P# AND REV

DAS
38
9-89

IUN 13 2017

DA
6
9-80

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By _____ Lead hand / Supervisor Approval Verification _____ QC / QA Coordinator Approval _____		
Description Work Order Deviation				Disposition					

Root Cause				FAULT CATEGORY			
Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐
Design	☐	Operator	☐	Bending	☐	Set-up	☐
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐
Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐
Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐
Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐
Past Expiry Date	☐	Manufacturing Process	☐	OTHER : _____			
Misidentified	☐	Past Due	☐				

Work Order ID 159558

Wednesday, April 12, 2017 3:51:05 PM

159558

Page 4

Item ID: 647.7813 **Accept** ***N900040100*** **Setup Start** ***NS1***
Revision ID: **Stop** ***NS2***
Item Name: Center Plate, Lower
Start Date: 4/16/2017 **Start Qty:** 6.00 ***6*** **Cust Item ID:**
Required Date: 5/5/2017 **Req'd Qty:** 6.00 ***6*** **Customer:**
Reference: SCHEDULED/S

Approvals: **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____ **Run Start** ***NR1***
QC: _____ **Date:** _____ **SPC (Y/N):** _____ **Date:** _____ **Stop** ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
190	QC21- Final Inspection - Work Order Release	0.00							
190									
QC	Memo	0.60							
Quality Control									

DAS
21
9-8*

JUN 14 2017

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause				FAULT CATEGORY			
Environment ☐		No Re-verification ☐		Pressure/Forced ☐		Temperature/Cure ☐	
Design ☐		Operator ☐		Bending ☐		Set-up ☐	
Doc/Data ☐		Offset/Setup ☐		Centre Not Concentric ☐		BOM/Route ☐	
Equip/Tooling ☐		Supplier ☐		Cracks ☐		Broken/Damage/Defect ☐	
Handling/Pre ☐		Training ☐		Crimp/Kink/Ripple/Wave ☐		Inspection Incomplete/Unqualified ☐	
Material ☐		Use for Testing ☐		Cuffs ☐		Contamination ☐	
Internal Transport ☐		Poor Information ☐		Crushing ☐		Countersink ☐	
Tribal Knowledge ☐		Rushing ☐		Heat Treat ☐		Cut Too Short ☐	
LOA ☐		Product Improvement ☐		Wave/Twist in Tube ☐		Instructions Incomplete/Unclear ☐	
Substation ☐		Process Improvement ☐		Marks/Chatter ☐		Drill Holes ☐	
Past Expiry Date ☐		Manufacturing Process ☐		OTHER : _____			
Misidentified ☐		Past Due ☐					

Picklist Print

Wednesday, April 12, 2017 3:51:05 PM

Page 1

Work Order ID: 159558

159558

Parent Item: 647.7813

647 7813

Parent Item Name: Center Plate, Lower

Start Date: 4/16/2017

Required Date: 5/5/2017

Start Qty: 6.00

Required Qty: 6.00

Comments: IPP REV A 14/01/07 VERIFIED BY DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M7075T6B0.750X4.000		Purchased	No			100	f	10.2250	0.281	1.774737			

M7075T6B0 750X4 000

7075-T6 BAR 0.750" X 4.000"

Location

Loc Qty

Loc Code

MAT005

10.225

m133589

10.225

1.719 *17-01-20*

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
1	LAST PRODUCTION RELEASE	12-21-09	P. BRAVO
2	INITIAL RELEASE		
3	INCORPORATED ECN 03128, 04407 & 05320	03-02-10	P. BRAVO

NOTES:

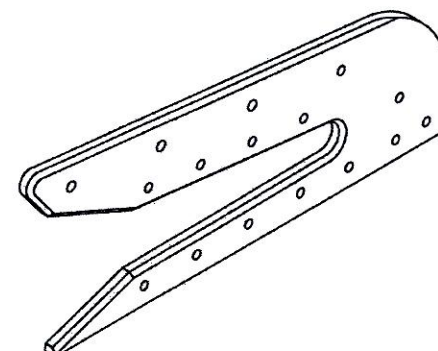
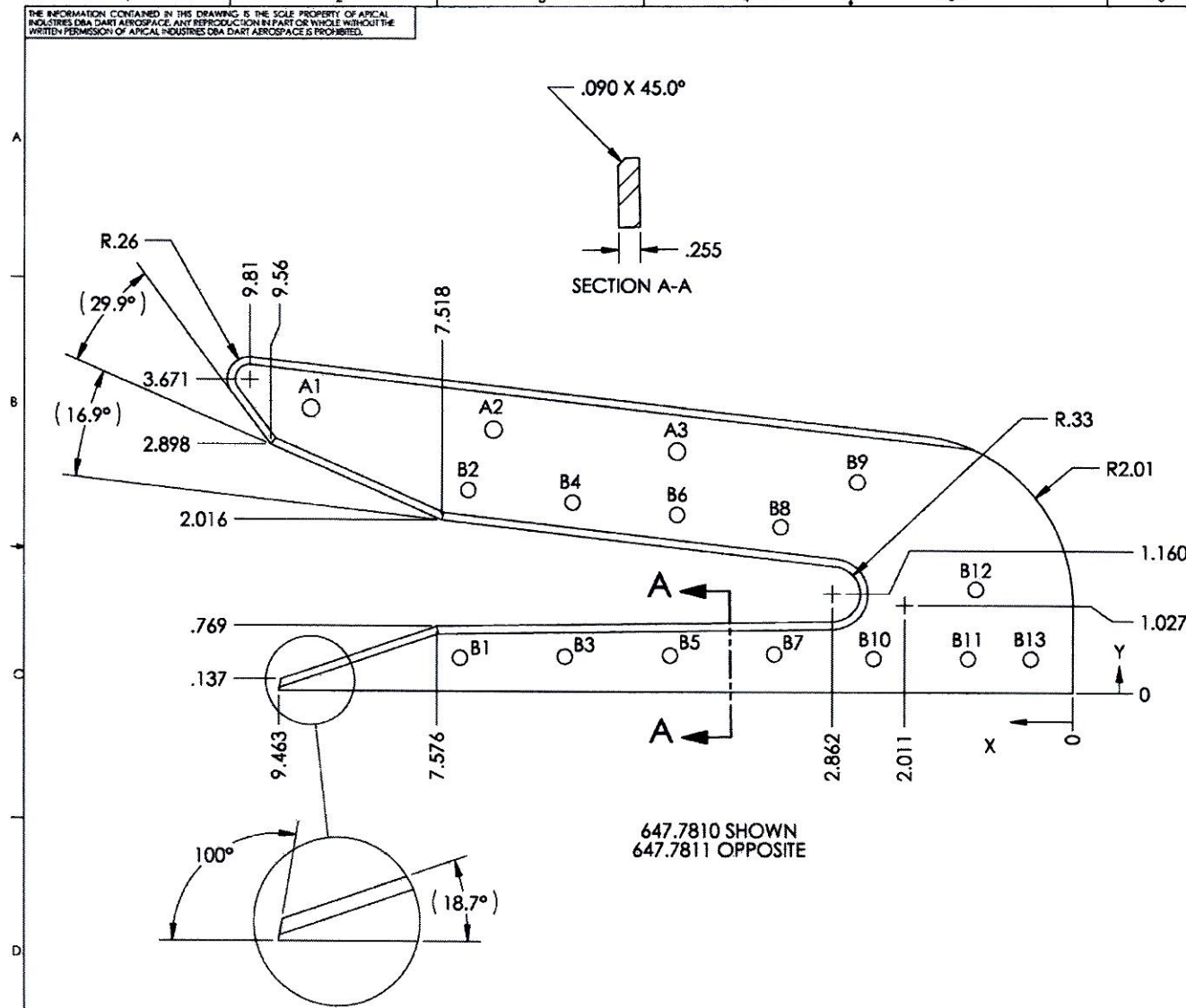
- 1 MATERIAL: ALUMINUM 7075-T651 PER AMS-QQ-A-250/12
- 2 FINISH IAW MPP-172 SECTION 3.3 & 4.3.
- 3 DEBURR AND BREAK ALL SHARP EDGES
- 4 IDENTIFY IAW MPP-120

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER

NO. 159558 MWT
1701-13

	647.7823	CROSS BRACKET AFT	△	△												
	647.7822	EYE BOLT FITTING RH	△	△												
	647.7821	EYE BOLT FITTING LH	△	△												
	647.7820	CROSS BRACKET AFT	△	△												
	647.7819	CROSS BRACKET FWD	△	△												
	647.7818	MOUNTING CHANNEL	△	△												
	647.7817	AFT BRACKET	△	△												
	647.7816	AFT BRACKET	△	△												
	647.7815	FORWARD BRACKET	△	△												
	647.7814	FORWARD BRACKET	△	△												
	647.7813	CENTER PLATE LOWER	△	△												
	647.7812	CENTER PLATE UPPER	△	△												
	647.7811	BRACKET B	△	△												
	647.7810	BRACKET A	△	△												
F/N	PART #	DESCRIPTION	MAT'L	SPEC												
QTY	PARTS LIST															
NEXT ASSY (S)	<table><tr><td>ORIGINAL DATE</td><td>12-21-09</td></tr><tr><td>DRAWN BY</td><td>E. ANDERSON</td></tr><tr><td>CHECKED BY</td><td>P. BRAVO</td></tr><tr><td>DRAWING APPROVAL</td><td>P. BRAVO</td></tr><tr><td>CHECKED BY</td><td></td></tr><tr><td>CONTRACT NO.</td><td></td></tr></table>			ORIGINAL DATE	12-21-09	DRAWN BY	E. ANDERSON	CHECKED BY	P. BRAVO	DRAWING APPROVAL	P. BRAVO	CHECKED BY		CONTRACT NO.		
ORIGINAL DATE				12-21-09												
DRAWN BY	E. ANDERSON															
CHECKED BY	P. BRAVO															
DRAWING APPROVAL	P. BRAVO															
CHECKED BY																
CONTRACT NO.																
647.7300																
		<table><tr><td colspan="2">DART</td><td>3030 ENTERPRISE CT., SUITE A</td></tr><tr><td colspan="2">AEROSPACE</td><td>VISTA, CA 92081</td></tr><tr><td colspan="2">APICAL INDUSTRIES, INC.</td><td>(760)-724-5300</td><td></td></tr></table>	DART		3030 ENTERPRISE CT., SUITE A	AEROSPACE		VISTA, CA 92081	APICAL INDUSTRIES, INC.		(760)-724-5300					
			DART		3030 ENTERPRISE CT., SUITE A											
AEROSPACE		VISTA, CA 92081														
APICAL INDUSTRIES, INC.		(760)-724-5300														
		BRACKET														
		SHEET	CAGE CODE	DWG. NO.												
		B	07M26	647.7800												
		SCALE NONE		SHEET 1 OF 10												

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647.7810
647.7811 OPPOSITE

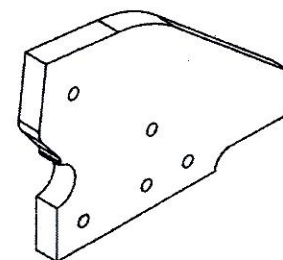
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A2	6.906±.002	3.083±.002	Ø.201 THRU
A3	4.720	2.835±.002	Ø.201 THRU
B1	7.300±.002	.397±.002	Ø.177 THRU
B2	7.203±.002	2.369±.002	Ø.177 THRU
B3	6.050±.002	.415±.002	Ø.177 THRU
B4	5.961±.002	2.228±.002	Ø.177 THRU
B5	4.800±.002	.433±.002	Ø.177 THRU
B6	4.719±.002	2.088±.002	Ø.177 THRU
B7	3.550	.450	Ø.177 THRU
B8	3.476	1.947	Ø.177 THRU
B9	2.575	2.475	Ø.177 THRU
B10	2.380	.400	Ø.177 THRU
B11	1.250	.400	Ø.177 THRU
B12	1.160	1.220	Ø.177 THRU
B13	.500	.400	Ø.177 THRU

647.7810 SHOWN
647.7811 OPPOSITE

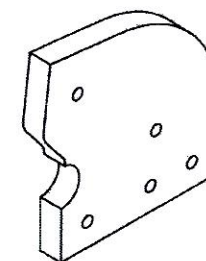
ORIGINAL DATE 11-01-09	DART AEROSPACE APICAL INDUSTRIES INC. DBA DART AEROSPACE	3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300
DRAWN BY E. ANDERSSON		
CHECKED BY P. BRAVO		
DESIGNED BY P. BRAVO		
CONTRACT NO.	BRACKET	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACES DECIMALS ±.01 3 PLACES DECIMALS ±.001 ANGLES ±.5°	SEE CHG CODE B 07M26	DWG. NO. 647.7800
SCALE NONE		REV. A
SHEET 2 OF 10		

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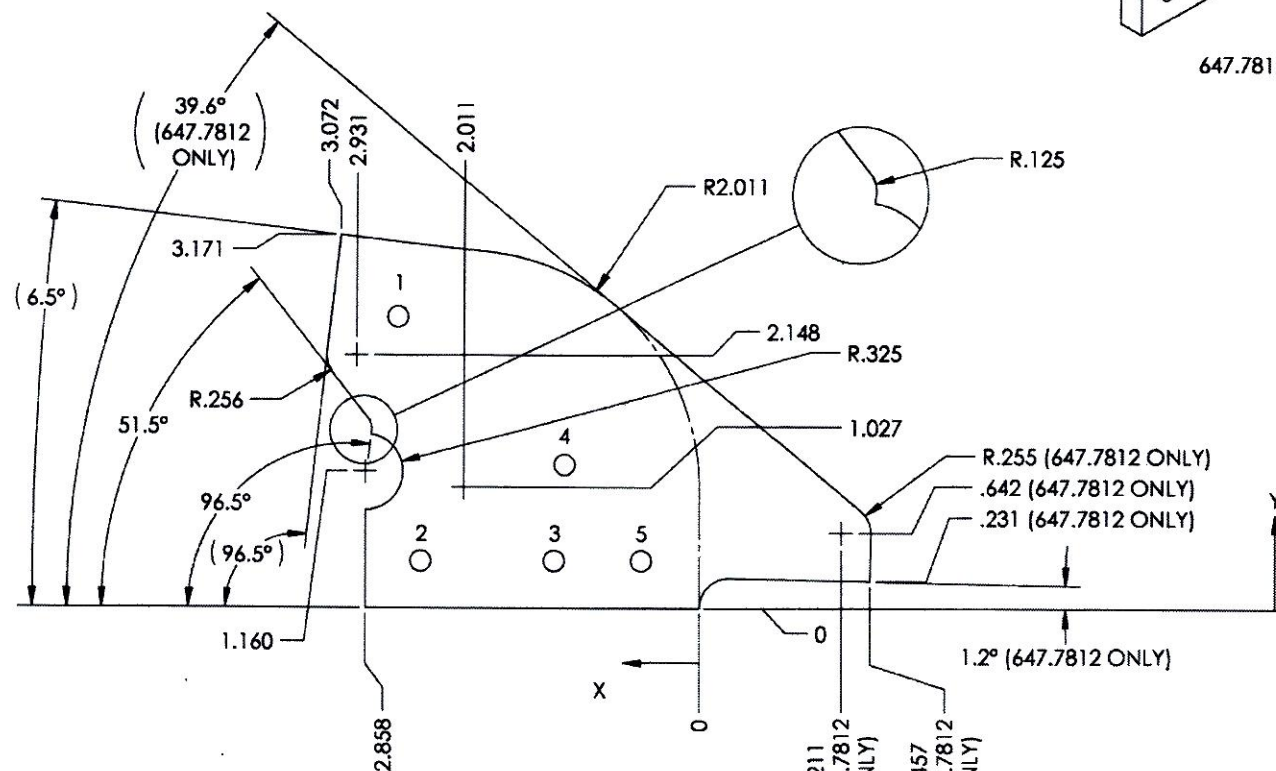
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3	1.250±.002	.400±.002	Ø.177 THRU
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5	.500±.002	.400±.002	Ø.177 THRU



647.7812



647.7813



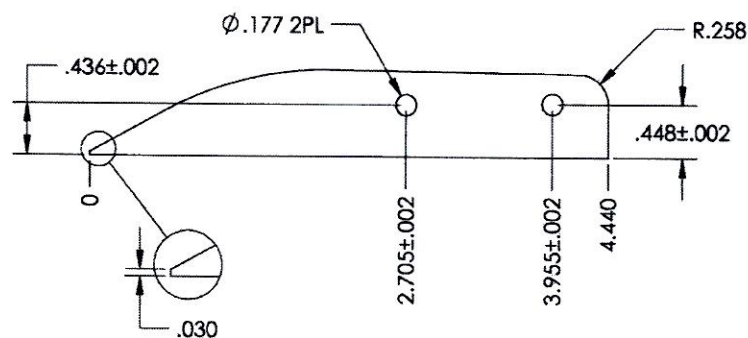
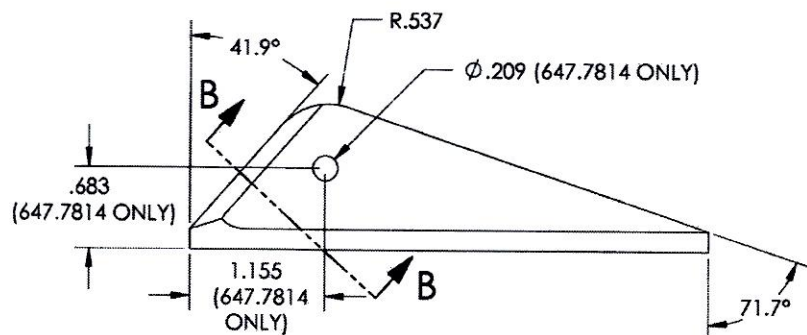
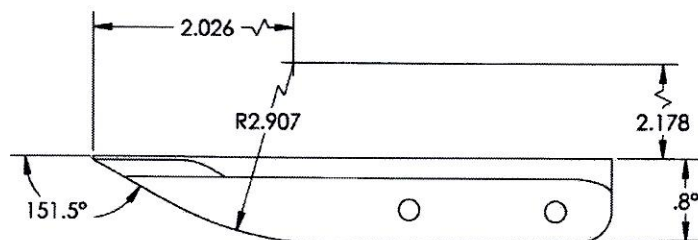
647.7812 AND 647.7813



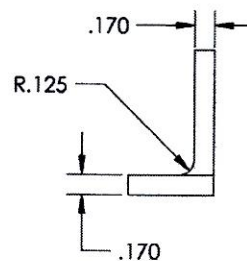
.375±.002

ORIGINAL DATE: 11/05/99		3030 ENTERPRISE CT., SUITE A	
DRAWN BY: E. ANDERSSON		VISTA, CA. 92081	
CHECKED BY: P. BRAVO		(760)-724-5300	
DRAWING APPROVAL: 1.02/01		APCAL INDUSTRIES, INC. (DBA DART AEROSPACE)	
CONTRACT NO.		BRACKET	
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE: 1 PLACE DECIMALS: .101 2 PLACE DECIMALS: .005 3 PLACE DECIMALS: .001 ANGLES: .5°		SHEET: 07426	REV: A
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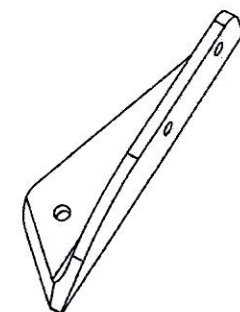
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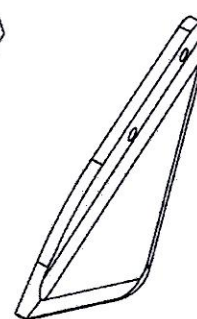
647.7814 SHOWN
647.7815 OPPOSITE



SECTION B-B



647.7814

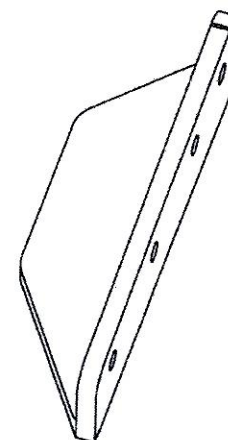
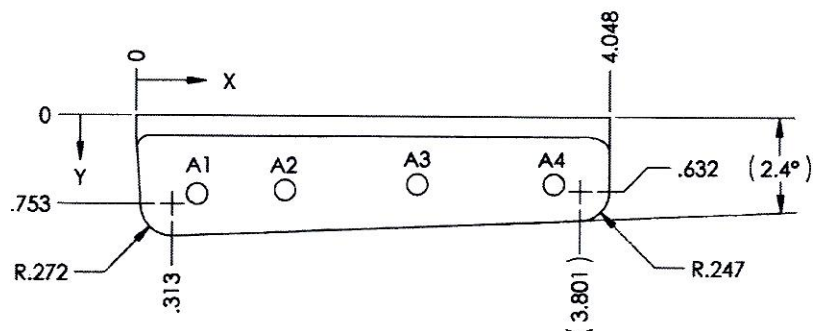


647.7815

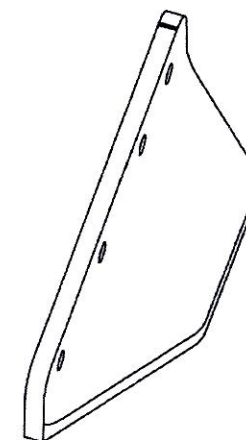
ORIGINAL DATE 11/13/05				3030 ENTERPRISE CT. SUITE A VISTA, CA 92081 (760)-724-5300
DRAWN BY I. ANDERSON	P. BRAVO			APICAL INDUSTRIES, INC. DBA DART AEROSPACE
DRAWING APPROVAL P. BRAVO 10/2/09				
CONTRACT NO.				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS .001 3 PLACE DECIMALS .0005 ANGLES ± .5°				
SER. B	CAGE CODE 07M26	DWG. NO. 647.7800	REV. A	
SCALE NONE		SHEET 4 OF 10		

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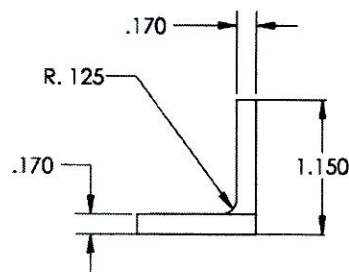
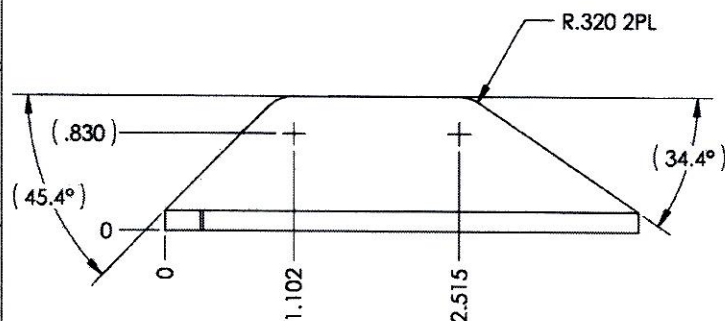
TAG	X LOC	Y LOC	SIZE
A1	.527±.002	.666±.002	Ø.177 THRU
A2	1.276±.002	.631±.002	Ø.177 THRU
A3	2.404±.002	.578±.002	Ø.177 THRU
A4	3.576±.002	.573±.002	Ø.177 THRU



647.7816



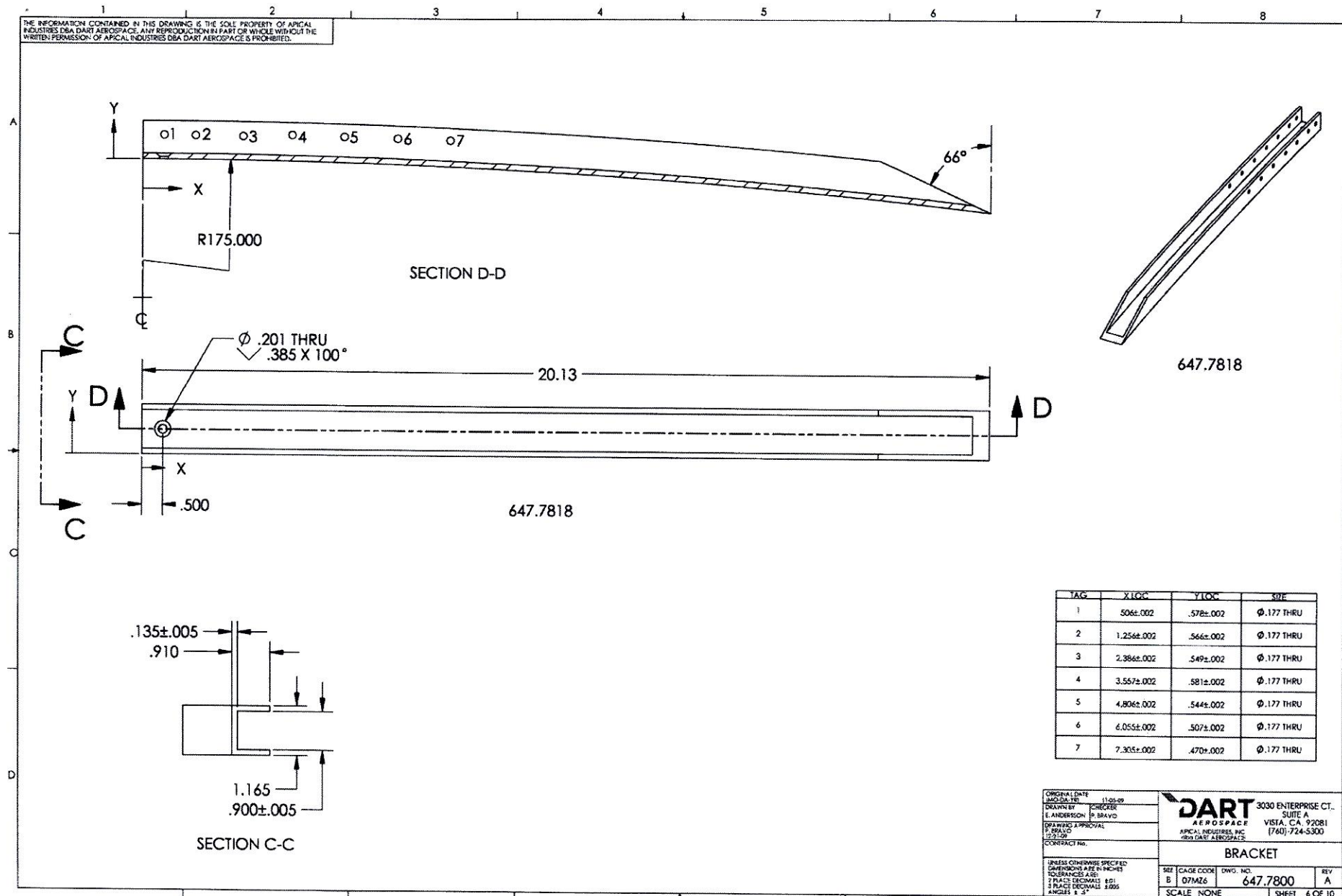
647.7817



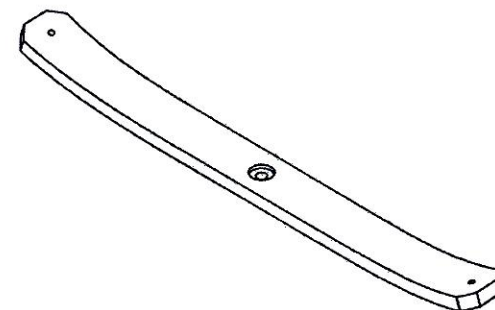
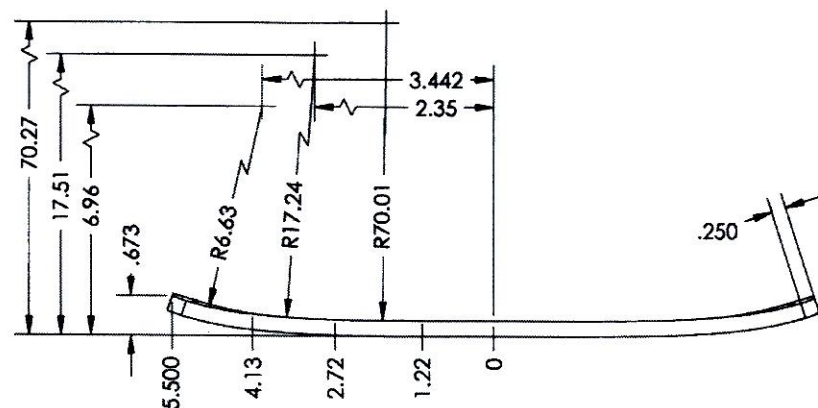
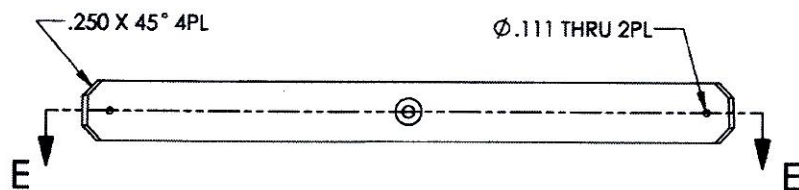
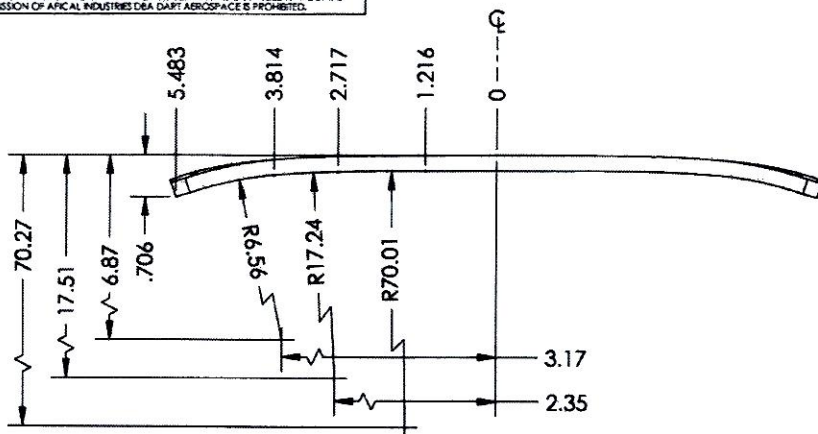
647.7816 SHOWN
647.7817 OPPOSITE

ORIGINAL DATE 11/08/20		3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY E. ANDERSON		CHECKED P. BRAVO	
DESIGNED & APPROVED P. BRAVO		APICAL INDUSTRIES, INC. (DBA DART AEROSPACE)	
CONTRACT NO.		BRACKET	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SHEET B 07/02/26	DWG. NO. 647.7800
SCALE: NONE		REV A	
		SHEET 5 OF 10	

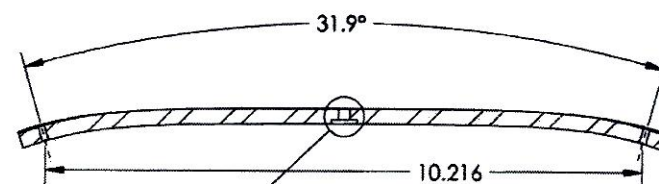
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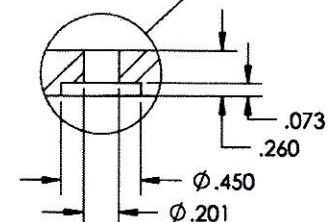
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.



647.7819

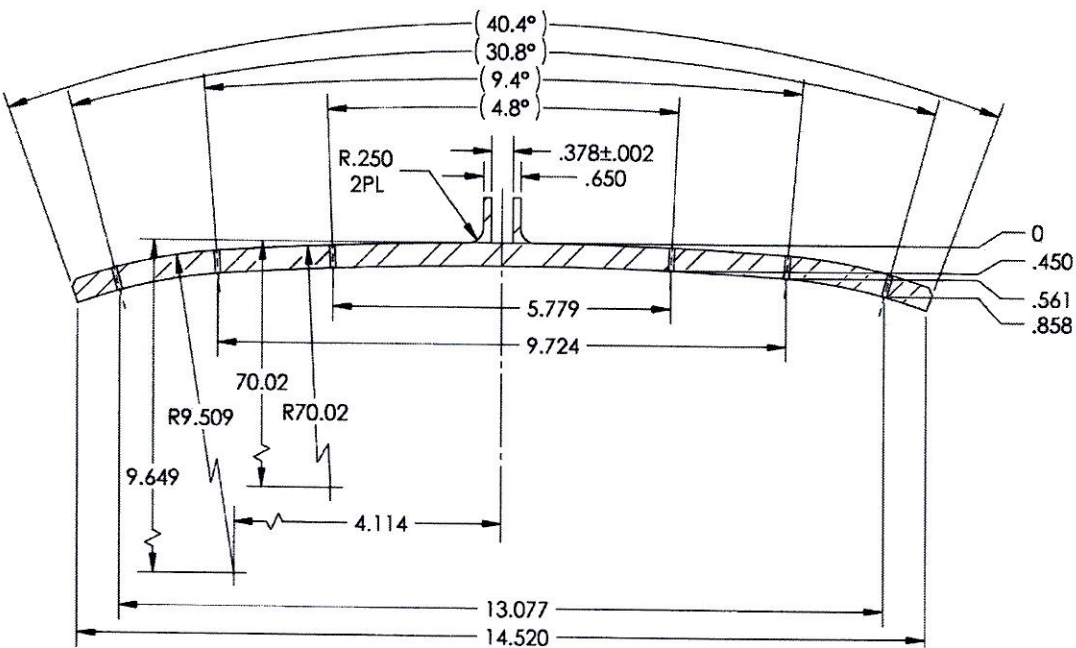
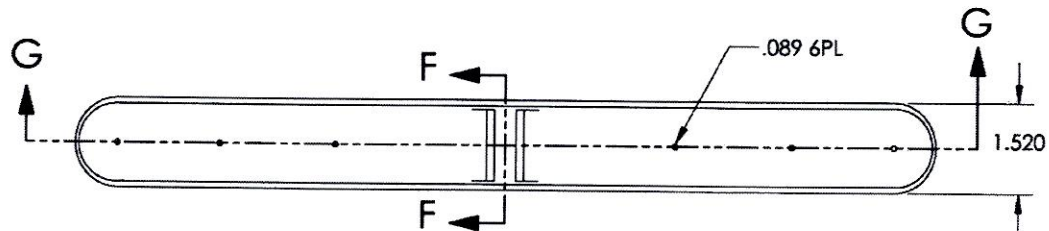


SECTION E-E

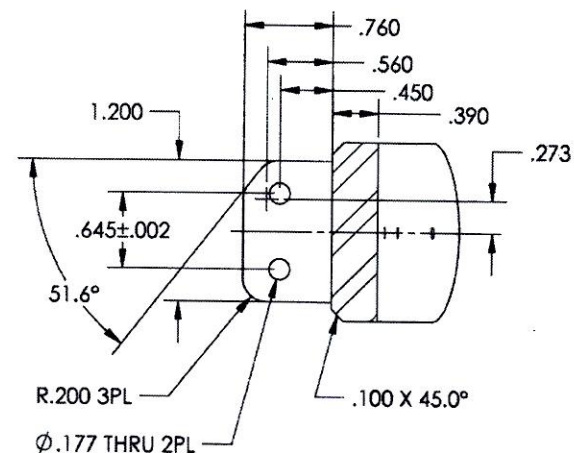
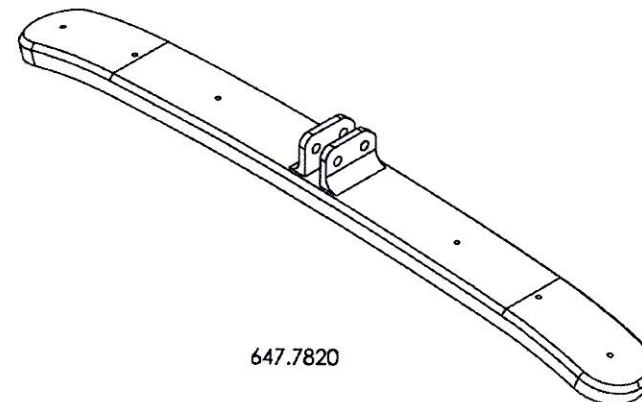


ORIGINAL DATE	11/05/09	DART AEROSPACE		3030 ENTERPRISE CT., SUITE A
DRAWN BY	E. ANDERSON	CHECKED	P. BRAVO	VISTA, CA 92081
DESIGNED BY	P. BRAVO	APPROVED BY	P. BRAVO	(760) 724-5300
CONTRACT NO.		APICAL INDUSTRIES, INC. DBA DART AEROSPACE		
BRACKET				
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE: 1 PLACE DECIMALS: ±0.1 2 PLACE DECIMALS: ±0.05 3 PLACE DECIMALS: ±0.005 ANGLES: ±1°				
SHEET	8	CAGE CODE	07NM26	DWG. NO.
SCALE			NONE	647.7800
SHEET			7	OF 10

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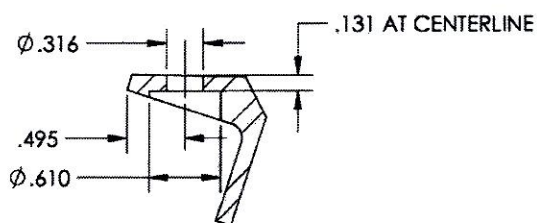
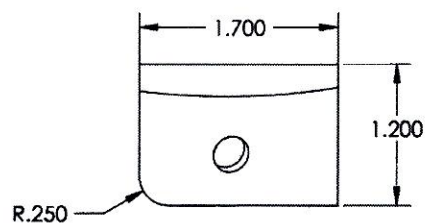
SECTION G-G



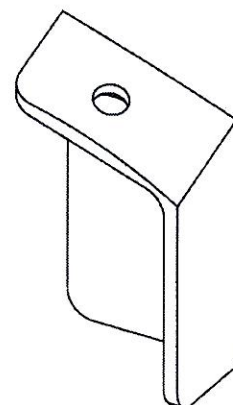
SECTION F-F

ORIGINAL DATE 11/01/00		3030 ENTERPRISE CT., SUITE A VISTA, CA 92081 (760) 724-5300	
DRAWN BY E. ANDERSON	CHECKED BY W. BRAVO	DART APICAL INDUSTRIES, INC. DBA DART AEROSPACE	
DRAWING APPROVAL P. BRAVO 11/01/00		BRACKET	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 3 PLACE DECIMALS ±.01 ANGLES ±.5°		REV. A	REV. A
SEE B	CAUSE CODE 07/12/06	DWG. NO. 647.7800	SHEET 8 OF 10
SCALE NONE			

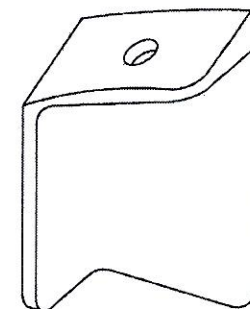
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.



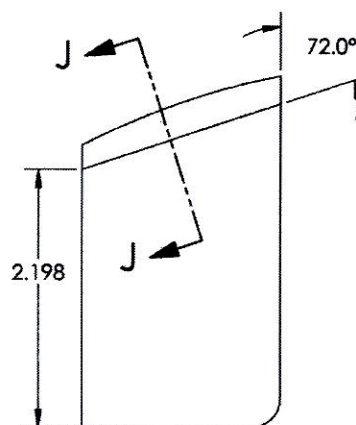
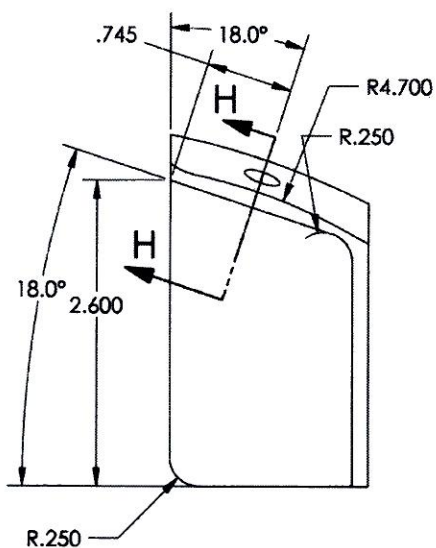
SECTION H-H



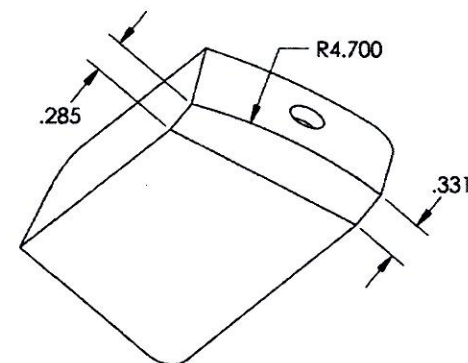
647.7821



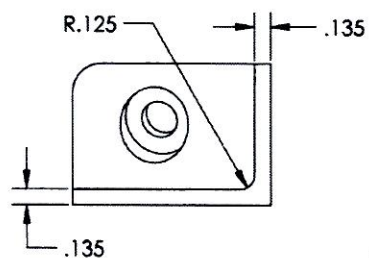
647.7822



SECTION J-J



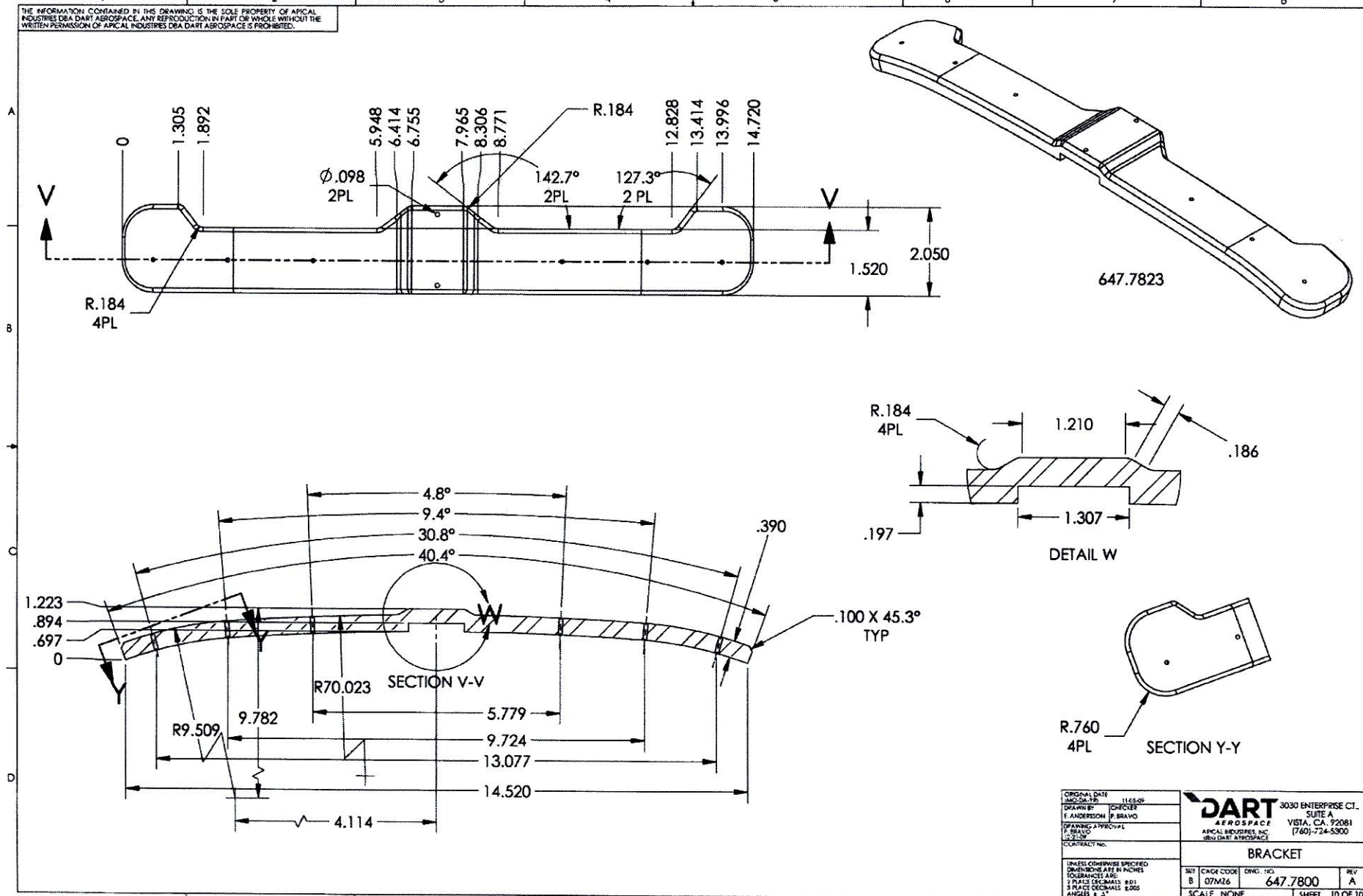
SECTION K-K



647.7821 SHOWN
647.7822 OPPOSITE

ORIGINAL DATE 11-03-09	MODIFIED	DART AEROSPACE APICAL INDUSTRIES, INC. DBA DART AEROSPACE	3030 ENTERPRISE CT., SUITE A VISTA, CA 92081 (760)-724-5300
DRAWN BY E. ANDERSON	CHECKED P. BRAY		
DESIGNED APPROVAL P. BRAY	CONTRACT NO.	BRACKET SEE CAD CODE B 07M26 647.7800 SCALE: NONE SHEET 9 OF 10	

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ACE

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO36166

Purchase Order Date 5/2/2017
PO Print Date 5/24/2017

Page Number 9 of 11

Order From :

A.T.G. INDUSTRIES INC.
731 INDUSTRIELLE ROAD
ROCKLAND, ON K4K 1T2
CANADA

VC-ATG001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone

613-446-4544

Ship To Contact

Ship To Phone

Ship Via:

Ship Acct:

VENDOR'S TRUCK

Buyer

Customer POID

Customer Tax #

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

CAD

FCA - (Free Carrier)

25 159558

✓ 647.7813 CENTER
PLATE REV. A

6/16/2017

Yes

6/16/2017

6.00

\$8.75

\$52.50

FINISH: HARD BLACK ANODIZE AS PER IAW MIL-A-8625 TYPE III, CLASS 2 / PRIME AS PER IAW MIL-PRF-23377 TYPE I CLASS N

Line Total:

\$52.50

26 159552

✓ 647.7814 BRACKET
REV. A

6/16/2017

Yes

6/16/2017

5.00

\$6.85

\$34.25

FINISH: HARD BLACK ANODIZE AS PER IAW MIL-A-8625 TYPE III, CLASS 2 / PRIME AS PER IAW MIL-PRF-23377 TYPE I CLASS N

Line Total:

\$34.25

27 159551

✓ 647.7817 BRACKET
REV. A

6/16/2017

Yes

6/16/2017

6.00

\$6.85

\$41.10

FINISH: HARD BLACK ANODIZE AS PER IAW MIL-A-8625 TYPE III, CLASS 2 / PRIME AS PER IAW MIL-PRF-23377 TYPE I CLASS N

Line Total:

\$41.10

PO Instructions: PRIMER IS SUPPLIED BY DART

Note:

5/24/2017



A.T.G. Industries Inc.
731 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 913379

Date: 08-Jun-17

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Chantal Lavoie
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via	
Quantity	Description		
	- .9 mils). Job: 21073	PO: PO36166	Line: 21
5 ea	Part: 647.1714 Plate Hard Black Anodize per MIL-A-8625F, Type III, Class 2, .0005-.0045" (.5 - 4.5mils). Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0006-.0009" (.6 ->.9 mils). Job: 21075	PO: PO36166	Rev: E Line: 23
6 ea	Part: 647.7612 Breakaway Tip Hard Black Anodize per MIL-A-8625F, Type III, Class 2, .0005-.0045" (.5 - 4.5mils). Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0001-.0002" (1 - 2 mils) per drawing. Job: 21076	PO: PO36166	Rev: NC Line: 24
6 ea	Part: 647.7813 Center Plate Hard Black Anodize per MIL-A-8625F, Type III, Class 2, .0005-.0045" (.5 - 4.5mils). Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0006-.0009" (.6 - .9 mils). Job: 21077	PO: PO36166	Rev: A Line: 25
5 ea	Part: 647.7814 Bracket Hard Black Anodize per MIL-A-8625F, Type III, Class 2, .0005-.0045" (.5 - 4.5mils). Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0006-.0009" (.6 - .9 mils). Job: 21078	PO: PO36166	Rev: A Line: 26
6 ea	Part: 647.7817 Bracket Hard Black Anodize per MIL-A-8625F, Type III, Class 2, .0005-.0045" (.5 - 4.5mils). Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0006-.0009" (.6 Made in Canada.		Rev: A

DAS
38
9-89

Sp/76-8



A.T.G. Industries Inc.
731 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 913379

Date: 08-Jun-17

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Chantal Lavoie
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via	
Quantity	Description		
	- .9 mils). Job: 21079	PO: PO36166	Line: 27
65 ea	Part: 646.3715 Strut Doubler Hard Black Anodize per MIL-A-8625F, Type III, Class 2, .0005-.0045" (.5 - 4.5mils). Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0006-.0009" (.6 - .9 mils). Job: 21108	Rev: A PO: PO36166	Line: 29
10 ea	Part: 646.3812 Gusset Hard Black Anodize per MIL-A-8625F, Type III, Class 2, .0005-.0045" (.5 - 4.5mils). Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0006-.0009" (.6 - .9 mils). Job: 21110	Rev: NC PO: PO36166	Line: 32
CERTIFICATE OF CONFORMANCE A.T.G Industries Inc. certifies that all items in this shipment conform to the requirements. Date: <u>08/06/2017</u> Certified Signature: <u>[Signature]</u> Receiver Signature: <u>[Signature]</u> A.T.G Industries Inc. is AS9100 Registered and Nadcap Chemical Processing Accredited. Note: This Packing Slip may contain parts that have been PLATED. Items that are plated may be subject to natural tarnishing and it is suggested that they be inspected within 24 hours of receipt. Made in Canada.			